

# Census Data and Tools for Emergency Management: Preparedness, Response, Recovery

CSAC Meeting  
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U.S. Census Bureau



# Census Data for Preparedness, Response, and Recovery

- **Preparedness**
  - Identifying vulnerable communities
  - Doing “What If” analysis
- **Response**
  - Prioritizing response efforts to most vulnerable communities
  - Identifying materials and services needed for potentially affected areas
- **Recovery**
  - Prioritizing recovery efforts to most affected and vulnerable communities
  - Identifying materials and services needed for potentially affected areas
  - Measuring impact of event

# Census Data Tools and Key Information Provided

Information and Questions Addressed	OnTheMap for Emergency Management	Census Business Builder: Regional Analyst Edition
<b>Demographic Data</b> <ul style="list-style-type: none"> <li>What are the characteristics of the residents of the affected area?</li> </ul>	X	X
<b>Workforce Data</b> <ul style="list-style-type: none"> <li>Where do the residents of the affected area work?</li> <li>Where do the workers in the affected area live?</li> <li>What are their characteristics?</li> </ul>	X	
<b>Economic Data</b> <ul style="list-style-type: none"> <li>What types of businesses are in the affected area?</li> <li>What are their characteristics?</li> </ul>	X	X
	Disaster Declared Areas	User-Defined Areas

# Hurricane Michael

Close

Event Class Wind History 34kn (Cumulative Swath) ▼

Time Fri, 12 Oct 2018 08:52:15 GMT ▼

Export

Share

Detail by: Characteristics ▼

Topic: 2011-2015 ACS Chara... ▼

Analysis Area: [Event Area](#) ?

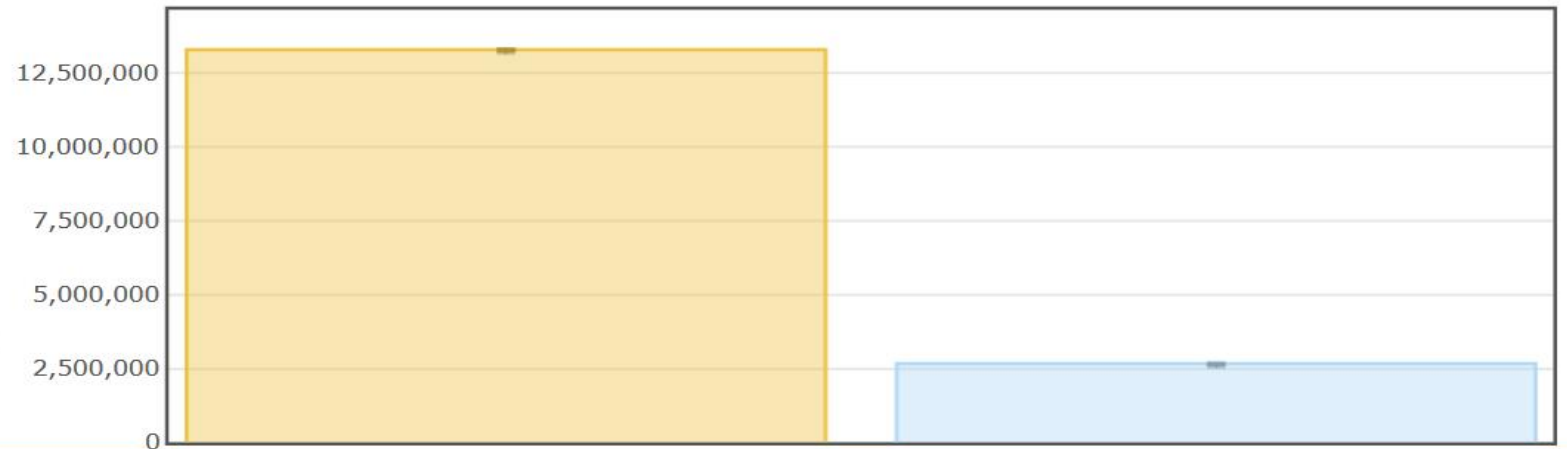
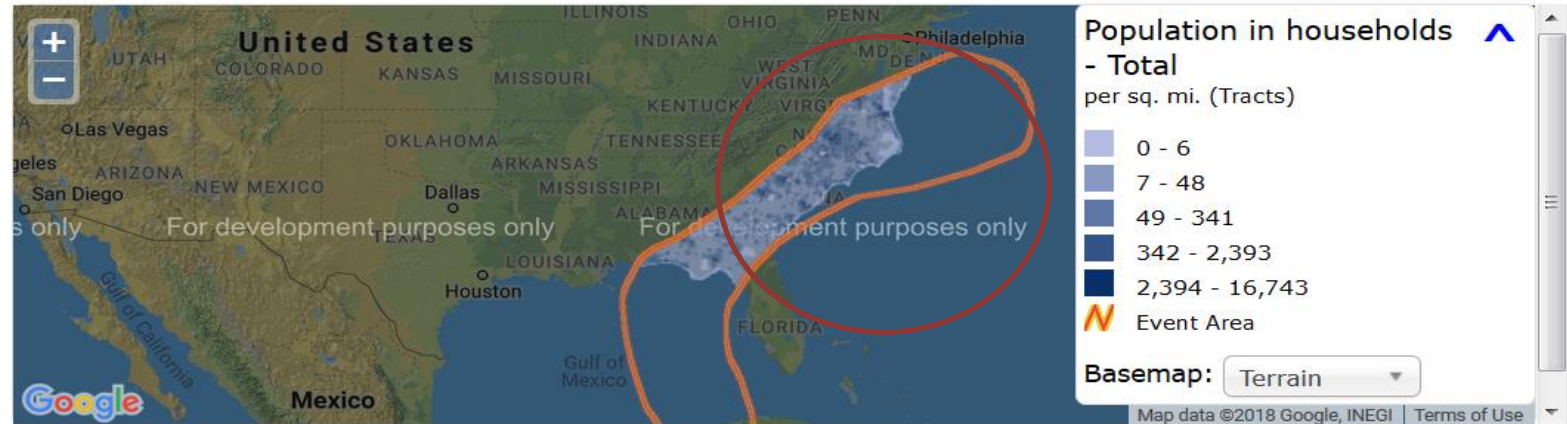
## Household Type

Universe: Population in households

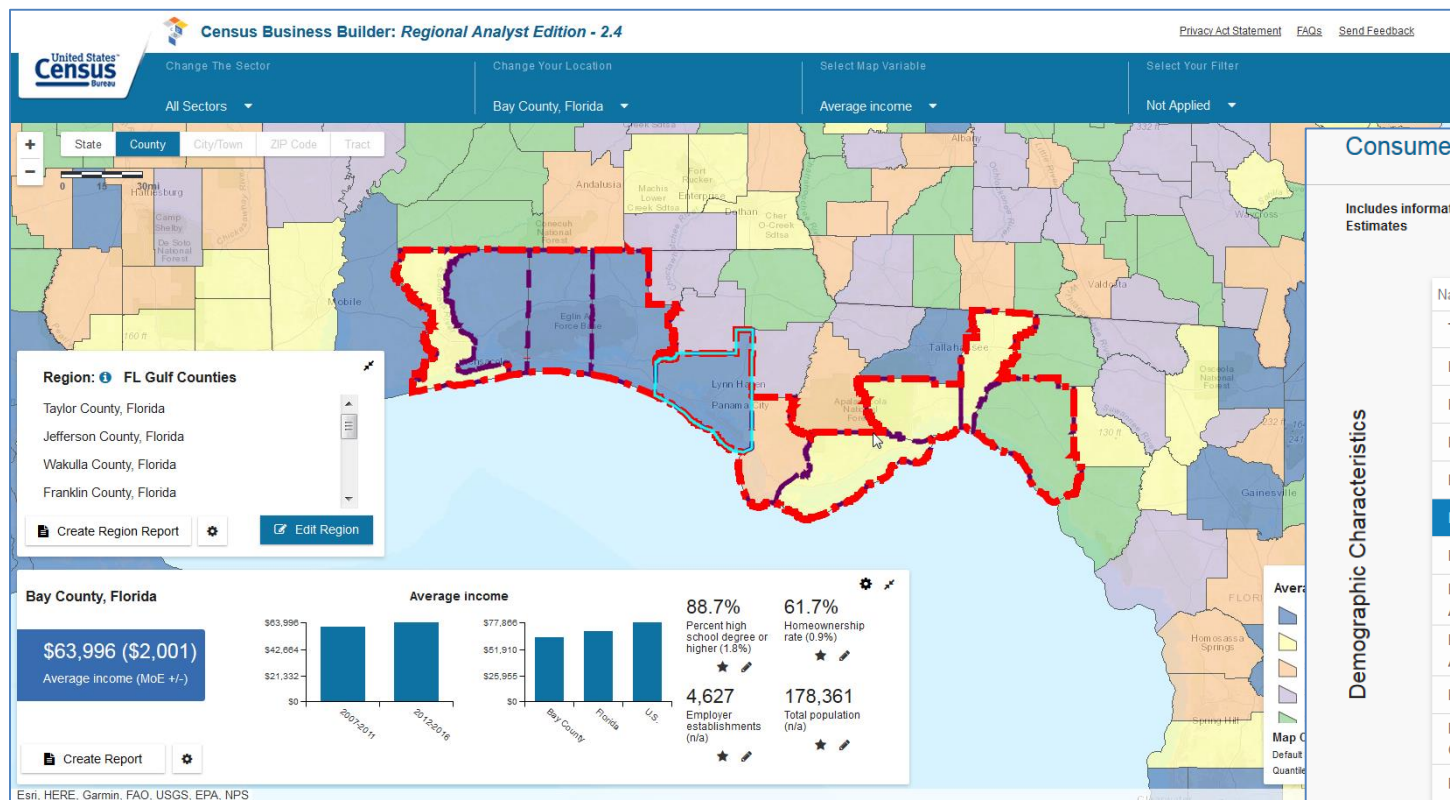
Source: American Community Survey, 2011-2015. [Source info](#) >>

Characteristic	Estimate	Margin of Error
<b>Total</b>	<b>15,938,486</b>	<b>±12,295</b>
In family households	13,279,419	±16,825
In nonfamily households	2,659,067	±12,645

- ▶ Race
- ▶ Hispanic or Latino Origin
- ▶ Ability to Speak English by Age
- ▶ Ability to Speak English by Language Spoken at Home
- ▶ Disability Status by Poverty Status
- ▶ Disability Status by Age

All tabulations contain *derived estimates and margins of error*.<sup>2</sup> - The data in some cells in this tabulation are not published in order to protect *confidentiality*.



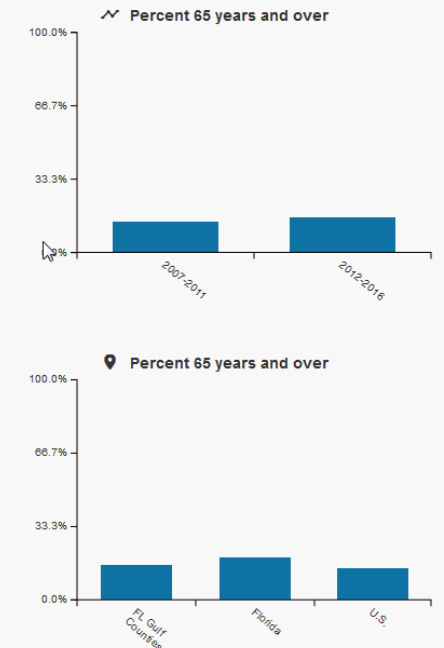


## Consumers/Residents

Includes information on total population and population by age, race, and ethnicity from the 2007-2011 and the 2012-2016 American Community Survey 5-Year Estimates

Name	Estimate	
Total population	1,004,698	
Percent under 5 years	6.1%	
Percent under 18 years	21.3%	
Percent 18 years and over	78.7%	
Percent 21 years and over	74.6%	
Percent 65 years and over	15.7%	
Percent White	77.74%	
Percent Black or African American	13.65%	
Percent American Indian and Alaska Native	0.55%	
Percent Asian	2.32%	
Percent Native Hawaiian and Other Pacific Islander	0.11%	
Percent some other race	1.65%	
Percent two or more races	4.02%	
	5.88%	

## Demographic Characteristics



## Business Comparison

Includes key statistics for businesses with 1 or more paid employees (Employers) from the 2016 County Business Patterns and ZIP Code Business Patterns, the 2016 Nonemployer Statistics program, and the 2012 Economic Census. (These variables are related to the industry selected.)

NAICS Sector	Employer establishments	Total employment of employers	Total annual payroll of employers (\$1,000)	Total revenue of employers (\$1,000)	Nonemployer firms	Revenue of nonemployer (\$1,000)
00: All Sectors	23,177	285,107	\$10,633,946	n/a	77,061	\$3,595,311
72: Accommodation and Food Services	2,168	48,071	\$888,457	\$2,334,098	1,346	\$167,455
56: Administrative and Support and Waste Management and Remediation Services	1,267	14,301	\$484,500	\$2,057,230	9,664	\$217,324
11: Agriculture, Forestry, Fishing, and Hunting	n/a	n/a	n/a	n/a	n/a	n/a
71: Arts, Entertainment, and Recreation	345	3,900	\$78,787	\$164,083	3,834	\$98,126
23: Construction	2,521	17,697	\$742,963	n/a	8,548	\$592,049
61: Educational Services	234	6,011	\$122,493	\$62,172	1,667	\$23,003

[https://cbb.census.gov/rae/#industry0=00&geoType=state&dynGeo\\_county=12033%2C12113%2C12091%2C12131%2C12005%2C12045%2C12037%2C12129%2C12065%2C12123&dynHeader=FL%20Gulf%20Counties&view=regionreport&reportType=detailed](https://cbb.census.gov/rae/#industry0=00&geoType=state&dynGeo_county=12033%2C12113%2C12091%2C12131%2C12005%2C12045%2C12037%2C12129%2C12065%2C12123&dynHeader=FL%20Gulf%20Counties&view=regionreport&reportType=detailed)

# Challenges and Next Steps

- Ensuring that data are currently providing in data tools for Preparedness, Response, and Recovery are correct and complete
  - Are we missing any key variables?
    - If yes, are they available from Census, other federal agencies, or private sector data providers?
  - Are these data tools meeting user needs?
- Satisfying data gaps for Recovery
  - Is timeliness of local area data sufficient to meet user needs?
    - If not, what additional data are needed?
      - What sources are available that can provide these data?

# Thank You!

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